Vol. 153 Nos. 1–3

TOXICOLOGY

November 16th 2000

CONTENTS

Cited in: *Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Cambridge Scientific Abstracts; Chemical Abstracts; Current Contents/Life Sciences, EMBASE/Excerpta Medica; Environmental Mutagene Information Center; Environmental Periodicals Bibliography; Index Medicus*

Special Issue:

Molecular Responses to Xenobiotics

Guest Editors: S.H. Parvez & C. Reiss

Articles

Use of the nuclear receptor PXR to predict drug interactions
J.T. Moore, S.A. Kliewer (USA) 1–10
A causal relationship between unscheduled eicosanoid signaling and tumor development: cancer chemoprevention by inhibitors of arachidonic acid metabolism
F. Marks, K. Müller-Decker, G. Fürstenberger (Germany) 11–26
NF-κB activation in response to toxical and therapeutical agents: role in inflammation and cancer treatment
V. Bours, G. Bonizzi, M. Bentires-Alj, F. Bureau, J. Piette, P. Lekeux, M.-P. Merville (Belgium). 27–38
Advances in molecular toxicology–towards understanding idiosyncratic drug toxicity
B.K. Park, N.R. Kitteringham, H. Powell, M. Pirmohamed (UK) 39–60
Applications and pitfalls of stress-proteins in biomonitoring
J.G.E.A. Bierkens (Belgium) 61–72
Is CYP1A1 induction always related to AHR signaling pathway?
C. Delescluse, G. Lemaire, G. de Sousa, R. Rahmani (France). 73–82
Effects of antioxidant enzymes in the molecular control of reactive oxygen species toxicology
J.M. Matés (Spain) 83–104
Ultrasensitive and specific detection methods for exocylic DNA adducts: Markers for lipid peroxidation and oxidative stress
H. Bartsch, J. Nair (Germany) 105–114
Conformational toxicity and sporadic conformational diseases
C. Reiss, T. Lesnik, H. Parvez, S. Parvez, R. Ehrlich (France, Uruguay) 115–121
Apoptosis induced by an endogenous neurotoxin, *N*-methyl(*R*)salsolinol, in dopamine neurons
M. Naoi, W. Maruyama, Y. Akao, J. Zhang, H. Parvez (Japan, France). 123–141
Nitric oxide and neuronal and pancreatic beta cell death
E. Adeghate, S.H. Parvez (United Arab Emirates, France) 143–156
Cell death induced by MPTP, a substrate for monoamine oxidase B
A. Nicotra, S.H. Parvez (Italy, France) 157–166
Pathogenesis of vascular dementia in stroke-prone spontaneously hypertensive rats
S. Kimura, H. Saito, M. Minami, H. Togashi, N. Nakamura, M. Nemoto, H.S. Parvez (Japan, France) . . 167–178
The xenobiotic methionine sulfoximine modulates carbohydrate anabolism and related genes expression in rodent brain
K. Hélary-Bernard, M.-Y. Ardourel, J.F. Cloix, T. Hevor (France) 179–187

(*Contents continued on page 271*)

CONTENTS direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**

0300-483X(20001116)153:1:3;1-S

Vol. 153 Nos. 1–3

TOXICOLOGY

November 16th 2000

CONTENTS

Cited in: *Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Cambridge Scientific Abstracts; Chemical Abstracts; Current Contents/Life Sciences, EMBASE/Excerpta Medica; Environmental Mutagene Information Center; Environmental Periodicals Bibliography; Index Medicus*

Special Issue:

Molecular Responses to Xenobiotics

Guest Editors: S.H. Parvez & C. Reiss

Articles

Use of the nuclear receptor PXR to predict drug interactions
J.T. Moore, S.A. Kliewer (USA) 1–10
A causal relationship between unscheduled eicosanoid signaling and tumor development: cancer chemoprevention by inhibitors of arachidonic acid metabolism
F. Marks, K. Müller-Decker, G. Fürstenberger (Germany) 11–26
NF-κB activation in response to toxical and therapeutical agents: role in inflammation and cancer treatment
V. Bours, G. Bonizzi, M. Bentires-Alj, F. Bureau, J. Piette, P. Lekeux, M.-P. Merville (Belgium). 27–38
Advances in molecular toxicology–towards understanding idiosyncratic drug toxicity
B.K. Park, N.R. Kitteringham, H. Powell, M. Pirmohamed (UK) 39–60
Applications and pitfalls of stress-proteins in biomonitoring
J.G.E.A. Bierkens (Belgium) 61–72
Is CYP1A1 induction always related to AHR signaling pathway?
C. Delescluse, G. Lemaire, G. de Sousa, R. Rahmani (France). 73–82
Effects of antioxidant enzymes in the molecular control of reactive oxygen species toxicology
J.M. Matés (Spain) 83–104
Ultrasensitive and specific detection methods for exocylic DNA adducts: Markers for lipid peroxidation and oxidative stress
H. Bartsch, J. Nair (Germany) 105–114
Conformational toxicity and sporadic conformational diseases
C. Reiss, T. Lesnik, H. Parvez, S. Parvez, R. Ehrlich (France, Uruguay) 115–121
Apoptosis induced by an endogenous neurotoxin, *N*-methyl(*R*)salsolinol, in dopamine neurons
M. Naoi, W. Maruyama, Y. Akao, J. Zhang, H. Parvez (Japan, France). 123–141
Nitric oxide and neuronal and pancreatic beta cell death
E. Adeghate, S.H. Parvez (United Arab Emirates, France) 143–156
Cell death induced by MPTP, a substrate for monoamine oxidase B
A. Nicotra, S.H. Parvez (Italy, France) 157–166
Pathogenesis of vascular dementia in stroke-prone spontaneously hypertensive rats
S. Kimura, H. Saito, M. Minami, H. Togashi, N. Nakamura, M. Nemoto, H.S. Parvez (Japan, France) . . 167–178
The xenobiotic methionine sulfoximine modulates carbohydrate anabolism and related genes expression in rodent brain
K. Hélary-Bernard, M.-Y. Ardourel, J.F. Cloix, T. Hevor (France) 179–187

(*Contents continued on page 271*)

CONTENTS direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**

0300-483X(20001116)153:1:3;1-S

(*Contents continued from outside back cover*)

Neurochemistry and neuropharmacology of emesis — the role of serotonin
T. Endo, M. Minami, M. Hirafuji, T. Ogawa, K. Akita, M. Nemoto, H. Saito, M. Yoshioka, S.H. Parvez (Japan, France) 189–201
Expression and regulation of hepatic drug and bile acid transporters
V. Lecureur, A. Courtois, L. Payen, L. Verhnet, A. Guillouzo, O. Fardel (France) 203–219
Precision-cut liver slices: characteristics and use for in vitro pharmaco-toxicology
C. Lerche-Langrand, H.J. Toutain (France) 221–253
Cytotoxicity assessment of chlorinated bacteria in water using the RNA synthesis inhibition method
K.A. Ferey, C. Fauris, G.P. Husson, R. Vilagines (France) 255–264

Author index of Volume 153 265
Subject index of Volume 153 267–269